Campostella K-8 STEM/Swim

Project Fast Facts:

Location: 1106 Campostella Road
Grades served: K-8
Target enrollment: 1,100 students
Focus: STEM + partnership with Southside Aquatic Center for swimming
Building size: Approx. 171,000 gsf
Building features:

- Grade-level classroom clusters for K-8
- Elementary science/STEM labs
- State-of-the-art media center
- Art & music for K-5 and 6-8
- Multiple spaces for PE & health
- STEM project areas for all grades
- Outdoor classrooms
- Multiple student support/ resources spaces
- Performance space/little theater

Site Size: 13 usable acres

Site features:

- Separate K-5 and 6-8 play fields
- Outdoor learning & nature areas
- Separate bus/parent drop-off areas
- Separate playground areas

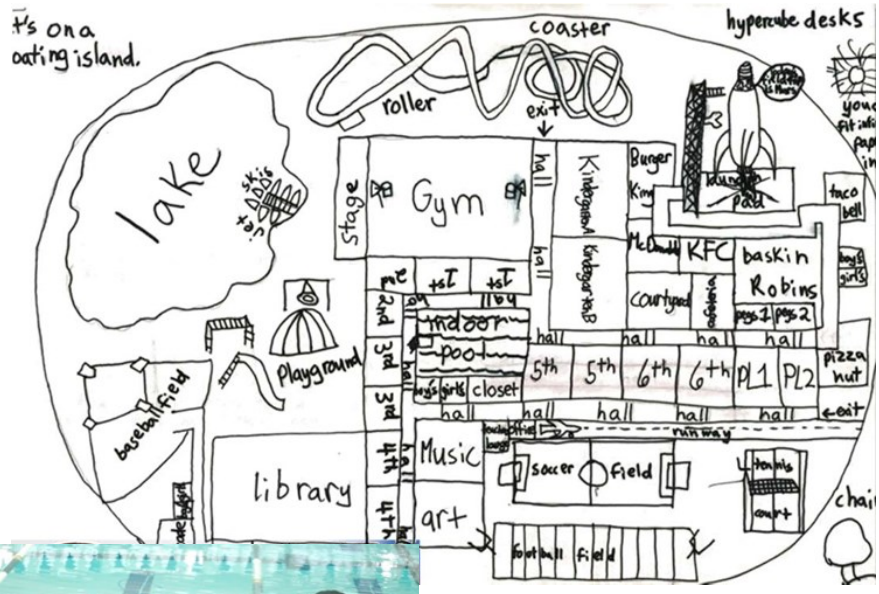
Contractor: S.B. Ballard Construction, Steve Ballard

Architects:
RRMM Architects, Duane Harver, Larry Simerson, Jeff Harris
Waller, Todd & Sadler Architects, Bill Schwegler, Maureen McElfresh, Jeff Pierce
The Livas Group Architects, William Milligan, III

What is STEM?

Science Technology Engineering Mathematics

TRADITIONAL EDUCATION	STEM EDUCATION
Create alone	Create together
Present	Design
Right answers	Right questions
Introverted	Extroverted
Bring solutions	Seek/develop solutions
Perfection	Mistakes allowed
Appearance	Authentic
Closed/think quietly	Open/think aloud
Information gathered	Knowledge generated
Memorizing	Understanding



STEM students are:

Observant
ProblemSolvers
RiskTakers
Healthy
Explorers
Inventors
Questioners
Curious
Active
Persistent
Imaginative

BUILDING THE FUTURE

Public Engagement Sessions: May 19 and May 27, 2014, 6 p.m.
Berkley-Campostella Early Childhood Center, 1530 Cypress Street

Mission

Goals

Vision

Campostella's STEM program incorporates problem and project-based learning with a special emphasis on the area of engineering. Its purpose is to increase early student value and awareness in STEM areas of science, technology, pre–engineering, and mathematics while preparing them with 21st-century skills necessary to meet the future demands of a globally competitive workforce.

Goals

1. Provide all students the opportunity to explore, apply, and increase participation in STEM-related activities across the NPS curriculum.
2. Increase students' interest and participation in science, technology, engineering, and mathematics.
3. Increase students' knowledge about careers in science, technology, engineering, and mathematics.
4. Increase students' ability to apply STEM concepts and skills in meaningful and innovative ways.

The vision of Campostella's STEM program is to provide an academically challenging learning environment for students. Students will experience a rigorous curriculum, augmented with science, technology, engineering, and mathematics concepts. Through the integration of problem and project-based inquiry activities, critical thinking skills will be fostered and authentic learning experiences will be provided.

STEM students:

Experience learning through **hands-on projects**

Like to **design, create and build** things

Like to read and write about **nonfiction topics**, such as nature, Earth sciences, technology, social studies, etc.

Like to communicate through **designing, diagramming, drawing, discussing and writing**

Have an affinity for the **outdoors** and **animals**

Are interested in the **who, how** and **why** of sciences

Like to **collect** and **classify** items such as rocks, shells, leaves and bugs

Construct items from everyday objects such as tape, paper, rubber bands, paper clips, cotton balls, cardboard, etc.

Enjoy **taking things apart**